

## Palmer, Darren

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**From:** Garver, Daniel  
**Sent:** Tuesday, November 29, 2016 9:07 AM  
**To:** Oriene Thomas  
**Cc:** sandra.veazey@dep.state.fl.us; Laxmana Tallam; Davis, Winston A; Palmer, Darren; Gillam, Rick; Bell, Tiereny; Sanchez, Madolyn; Rinck, Todd  
**Subject:** RE: Initial Notification of PM10 Exceedances at Lantana Preserve (AQS #: 12-099-0021)

Saphique,

Thanks for notifying us about these events.

As we discussed previously, I do have concerns based on a preliminary evaluation in Google Earth that the Lantana site may not meet a siting criteria requirement in 40 CFR Part 58 Appendix E Section 3(a):

“...Particulate matter sites should not be located in an unpaved area unless there is vegetative ground cover year round, so that the impact of wind blown dusts will be kept to a minimum.”

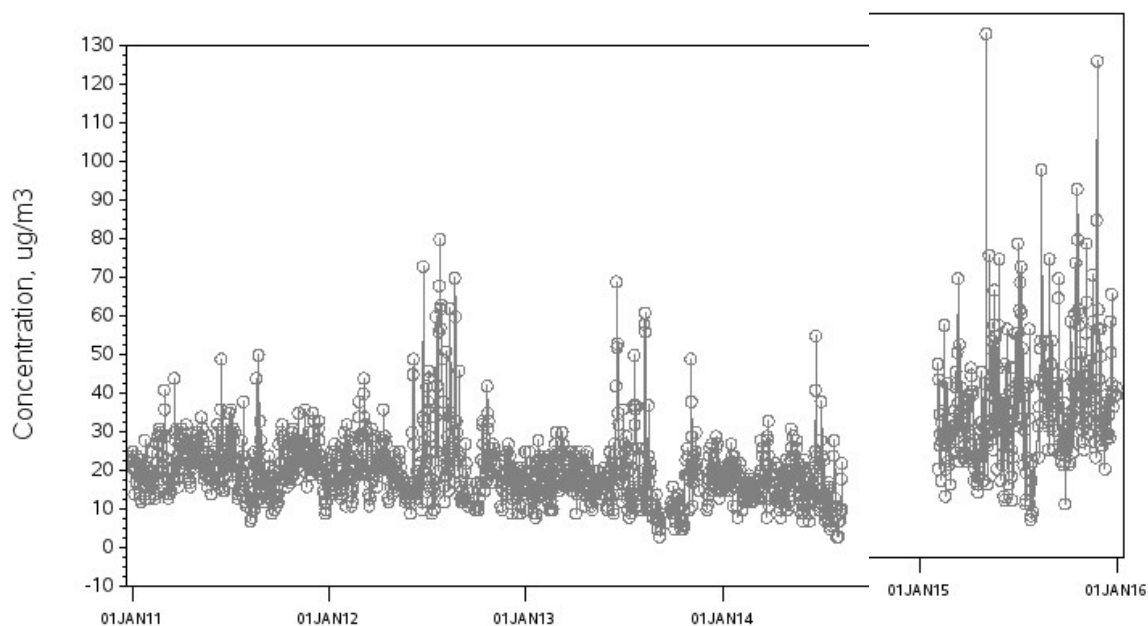
Here is a street view screenshot of the site, which looks to be located in an unpaved, sandy area:



As shown below, it looks like the PM10 concentrations have been noticeably higher since the site was moved to this location from a nearby location in 2015 (likely due to dust from the surrounding unpaved area). As we discussed previously, please make sure that plans for addressing this siting criteria issue are included in the revised network plan.

### Daily Mean PM10 Concentrations from 01/01/11 to 12/31/15

Parameter: PM10 Total 0-10um STP (Applicable standard is 150 ug/m3)  
CBSA: Miami-Fort Lauderdale-West Palm Beach, FL  
County: Palm Beach  
State: Florida  
AQS Site ID: 12-099-0020, poc 3



Source: U.S. EPA AirData <<http://www.epa.gov/airdata>>  
Generated: September 20, 2016

Regarding the exceptional event process and as we discussed yesterday, the revised exceptional events rule specifies that rule only applies for purposes of the specific types of regulatory determinations listed in 40 CFR 50.14(a)(1)(i)(A) through (F). So, you all will likely not need to submit a demonstration for this event unless there is a pending PM10 regulatory decision using this data at some point in the future. Please let me know if you have any questions about any of this.

Thanks,

Daniel Garver  
Environmental Scientist  
US EPA Region 4  
61 Forsyth Street, SW  
Atlanta, GA 30303  
(404) 562-9839

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**From:** Thomas, Oriene (Saphique) [mailto:[Oriene.Thomas@dep.state.fl.us](mailto:Oriene.Thomas@dep.state.fl.us)]  
**Sent:** Wednesday, November 23, 2016 4:08 PM  
**To:** Garver, Daniel <[Garver.Daniel@epa.gov](mailto:Garver.Daniel@epa.gov)>  
**Cc:** [sandra.veazey@dep.state.fl.us](mailto:sandra.veazey@dep.state.fl.us); Tallam, Laxmana <[Laxmana.Tallam@flhealth.gov](mailto:Laxmana.Tallam@flhealth.gov)>; Davis, Winston A

<Winston.Davis@flhealth.gov>

**Subject:** Initial Notification of PM10 Exceedances at Lantana Preserve (AQS #: 12-099-0021)

Good afternoon Daniel,

This email is to inform EPA Region 4 of three (3) PM10 exceedances at the Lantana Preserve air monitoring site (AQS#: 12-099-0021) in Palm Beach County. The 24-hour concentration values on 10/26, 10/27 and 11/07 exceeded the PM10 NAAQS of 150 µg/m<sup>3</sup>, which is not to be exceeded more than once per year on average over 3 years.

These isolated exceedances occurred due to the re-construction of the road just outside of the site. The roadway has since been paved and the data values are again comparable to concentration values collected prior to the construction. Below is a summary of the PM10 exceedances and I have also attached pictures of the road construction and paved roadway.

**PM10 Exceedance Summary:**

	Date	County	Name	AQS Site ID:	24-hour
1	26-Oct-16	Palm Beach	Lantana Preserve	12-099-0021	
2	27-Oct-16	Palm Beach	Lantana Preserve	12-099-0021	
3	7-Nov-16	Palm Beach	Lantana Preserve	12-099-0021	

Please let me know if you require any additional information.

Thanks,

*Saphique Thomas*

Quality Assurance Manager, Environmental Specialist II

Office of Air Monitoring

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